

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"20020000221"	US-PGPUB; USPAT	OR	ON	2007/07/31 07:34
L2	0	("2002/0000221").URPN.	USPAT	OR	ON	2007/07/31 07:36
L3	0	"20020092508"	USPAT	OR	ON	2007/07/31 07:36
L4	3304316	kanekawa et "al."	USPAT	OR	ON	2007/07/31 07:37
L5	106	kanekawa	USPAT	OR	ON	2007/07/31 07:38
L6	1	"20020092508"	US-PGPUB; USPAT	OR	ON	2007/07/31 07:38
L7	4	("2002/0092508").URPN.	USPAT	OR	ON	2007/07/31 07:39
L8	0	"20040025852"	USPAT	OR	ON	2007/07/31 07:39
L9	1	"20040025852"	US-PGPUB; USPAT	OR	ON	2007/07/31 07:40
L10	1	"20050235970"	US-PGPUB; USPAT	OR	ON	2007/07/31 07:40
L11	0	("2005/0235970").URPN.	USPAT	OR	ON	2007/07/31 07:41
L12	0	"20050257781"	USPAT	OR	ON	2007/07/31 07:41
L13	1	"20050257781"	US-PGPUB; USPAT	OR	ON	2007/07/31 07:42
L14	1	"20070039596"	US-PGPUB; USPAT	OR	ON	2007/07/31 07:42
L15	17	"4034204"	US-PGPUB; USPAT	OR	ON	2007/07/31 07:42
L16	35	("1614168"   "1798290"   "1848716"   "1977357"   "1979883"   "2158603"   "2385295"   "2765393"   "3223828"   "3229070").PN. OR ("4034204").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/31 07:45
L17	7	"5,990,459"	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/31 07:46
L18	11	("4138607"   "4920252"   "5521359"   "5528016"   "5658480").PN. OR ("5990459").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/31 07:47
L19	7	"5990459"	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/31 07:47
L20	5	"6392207"	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/31 07:48

## EAST Search History

L21	3	"6964269"	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/31 08:18
L22	446822	capacitor	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/31 08:18
L23	5566	capacitor AND air AND intake	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/31 08:18
L24	4933	capacitor AND air AND intake AND circuit	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/31 08:18
L25	2535	capacitor AND air AND intake AND circuit AND heat	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/31 08:18
L26	13	("3645509"   "3740040"   "4081499"   "4244333"   "4311653"   "4344898").PN. OR ("4393012").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/31 08:49
L27	9	"6073615"	US-PGPUB; USPAT	OR	ON	2007/07/31 11:10
L28	9	"6040557"	US-PGPUB; USPAT	OR	ON	2007/07/31 11:10
L29	8	"6031204"	US-PGPUB; USPAT	OR	ON	2007/07/31 11:17
L30	11	(("6651632") or ("4971576") or ("5595164") or ("5743242") or ("5887575") or ("5988146") or ("6119665") or ("5992399") or ("6031204") or ("6040557") or ("6073615")).PN.	US-PGPUB; USPAT	OR	OFF	2007/07/31 11:37
L31	6	(("6651632") or ("5988146") or ("6119665") or ("5992399") or ("6073615") or ("D529896")).PN.	US-PGPUB; USPAT	OR	OFF	2007/07/31 11:39
L32	0	"11357795"	US-PGPUB; USPAT	OR	ON	2007/07/31 12:07
L33	3	2002/0078935	US-PGPUB; USPAT	OR	ON	2007/07/31 12:09

## EAST Search History

L34	0	(("US-1,584,245") or ("US-4,034,204") or ("US-4,391,132A") or ("US-4,506,505") or ("US-4,558,681") or ("US-4,667,645A") or ("US-4,944,260A") or ("US-5,094,198A") or ("US-5,334,818") or ("US-5,373,825") or ("US-5,426,936") or ("US-5,497,619") or ("US-5,716,586") or ("US-5,743,242") or ("US-5,887,575") or ("US-5,988,146") or ("US-5,990,459") or ("US-5,992,399") or ("US-6,031,204") or ("US-6,040,557") or ("US-6,040,557A") or ("US-6,073,615") or ("US-6,073,615A") or ("US-6,119,665") or ("US-6,152,117") or ("US-6,152,117A") or ("US-6,242,712") or ("US-6,242,712B1") or ("US-6,392,207") or ("US-6,415,774B1") or ("US-6,474,060") or ("US-6,474,319") or ("US-6,530,366") or ("US-6,625,978") or ("US-6,647,970") or ("US-6,651,632") or ("US-6,742,335") or ("US-6,826,903") or ("US-6,851,414") or ("US-6,904,898") or ("US-6,964,269") or ("US-7,044,115")).PN. or ((US-2002/0000221) or (US-2002/0078935) or (US-2002/0092508) or (US-2002/0096155A1) or (US-2004/0025652) or (US-2004/0128985) or (US-2005/0109015) or (US-2005/0235970) or (US-2005/0257761) or (US-2007/0039596)).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/07/31 12:09
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## EAST Search History

L35	48	("1584245" "20020000221" "20020078935" "20020092508" "20020096155" "20040025652" "20040128985" "20050109015" "20050235970" "20050257761" "20070039596" "4034204" "4391132" "4506505" "4558681" "4667645" "4944260" "5094198" "5334818" "5373825" "5426936" "5497619" "5716586" "5743242" "5887575" "5988146" "5990459" "5992399" "6031204" "6040557" "6040557" "6073615" "6073615" "6119665" "6152117" "6152117" "6242712" "6242712" "6392207" "6415774" "6474060" "6474319" "6530366" "6625978" "6647970" "6651632" "6742335" "6826903" "6851414" "6904898" "6964269" "7044115").PN.	US-PGPUB; USPAT	OR	ON	2007/07/31 12:09
L36	17	"6228467"	US-PGPUB; USPAT	OR	ON	2007/07/31 15:04
L37	22	"5094198"	US-PGPUB; USPAT	OR	ON	2007/07/31 15:25
L38	19	"5454259"	US-PGPUB; USPAT	OR	ON	2007/07/31 15:25
L39	19	"5454259"	US-PGPUB; USPAT	OR	ON	2007/07/31 15:26
L40	13	"5,988,146"	US-PGPUB; USPAT	OR	ON	2007/07/31 15:26
L41	5	"6152117"	US-PGPUB; USPAT	OR	ON	2007/07/31 15:27
L42	9	"4512322"	US-PGPUB; USPAT	OR	ON	2007/07/31 15:27
L43	5	"4682437"	US-PGPUB; USPAT	OR	ON	2007/07/31 15:27
L44	20	"4685437"	US-PGPUB; USPAT	OR	ON	2007/07/31 15:28
S1	1654	(air AND intake AND heater).clm, ab.	US-PGPUB; USPAT	OR	ON	2007/06/22 10:40
S2	638	(air AND intake AND heater AND engine).clm,ab.	US-PGPUB; USPAT	OR	ON	2007/06/19 07:33
S3	9	(air AND intake AND heater AND engine AND capacitor).clm,ab.	US-PGPUB; USPAT	OR	ON	2007/06/20 15:40
S4	386	(air AND intake AND heater AND engine NOT (method OR process)).clm,ab.	US-PGPUB; USPAT	OR	ON	2007/06/19 07:35
S5	125	(air ADJ intake AND heater AND engine NOT (method OR process)).clm,ab.	US-PGPUB; USPAT	OR	ON	2007/06/19 07:35

## EAST Search History

S6	436	(air AND intake AND heater AND engine AND capacitor)	US-PGPUB; USPAT	OR	ON	2007/06/21 11:12
S7	68	(air AND intake AND heater AND engine AND capacitor AND quick)	US-PGPUB; USPAT	OR	ON	2007/06/20 15:47
S8	161	(air AND intake AND heater AND engine AND capacitor AND (quick OR fast))	US-PGPUB; USPAT	OR	ON	2007/06/20 15:47
S9	82674	"219".clas.	US-PGPUB; USPAT	OR	ON	2007/06/21 11:12
S10	222	(air AND intake AND heater AND engine) AND "219".clas.	US-PGPUB; USPAT	OR	ON	2007/06/21 11:13
S11	1	("3300619").PN.	US-PGPUB; USPAT	OR	OFF	2007/06/21 11:36
S12	1	("3915137").PN.	US-PGPUB; USPAT	OR	OFF	2007/06/21 12:28
S13	1	("3525853").PN.	US-PGPUB; USPAT	OR	OFF	2007/06/21 11:36
S14	0	("capacitorANDheater").PN.	US-PGPUB; USPAT	OR	OFF	2007/06/21 12:29
S15	17868	capacitor AND heater	US-PGPUB; USPAT	OR	ON	2007/06/21 12:29
S16	16426	capacitor AND heater AND electric\$	US-PGPUB; USPAT	OR	ON	2007/06/21 12:29
S17	7165	capacitor AND heater AND electric\$ AND charge	US-PGPUB; USPAT	OR	ON	2007/06/21 12:30
S18	8434	capacitor AND heater AND electric\$ AND charge\$	US-PGPUB; USPAT	OR	ON	2007/06/21 12:30
S19	1350	capacitor AND heater AND electric\$ AND charge\$ AND vehicle	US-PGPUB; USPAT	OR	ON	2007/06/21 12:30
S20	14	(capacitor AND heater AND electric\$ AND charge\$ AND vehicle).ab,clm.	US-PGPUB; USPAT	OR	ON	2007/06/21 12:30
S21	103	(capacitor AND battery AND heater).clm,ab.	US-PGPUB; USPAT	OR	ON	2007/06/22 11:39
S22	0	"10282821".ap.	US-PGPUB; USPAT; JPO	OR	ON	2007/06/22 10:50
S23	0	"10282821".ap.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/22 10:50

## EAST Search History

S24	1	"jp10282821".ap.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/22 10:51
S25	0	"10282821".ap.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/22 10:51
S26	3	"10282821"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/22 10:51
S27	0	(air AND itake AND heater).clm,ab.	US-PGPUB; USPAT	OR	ON	2007/06/22 11:39
S28	1655	(air AND intake AND heater).clm, ab.	US-PGPUB; USPAT	OR	ON	2007/06/22 11:44
S29	558	(serpentine AND heater).clm,ab.	US-PGPUB; USPAT	OR	ON	2007/06/22 11:47
S30	1	"5988146".pn.	US-PGPUB; USPAT	OR	ON	2007/06/22 12:46
S31	1	"4267812".pn.	US-PGPUB; USPAT	OR	ON	2007/06/22 12:48
S32	1	"4170203".pn.	US-PGPUB; USPAT	OR	ON	2007/06/22 12:49
S33	1	"5116231".pn.	US-PGPUB; USPAT	OR	ON	2007/06/22 12:49
S34	1	("6152117").PN.	US-PGPUB; USPAT	OR	OFF	2007/06/25 07:54
S35	1	("20020096155").PN.	US-PGPUB; USPAT	OR	OFF	2007/06/25 07:56
S36	1	("5,988,146").PN.	US-PGPUB; USPAT	OR	OFF	2007/06/25 07:58
S37	1	("5,992,399").PN.	US-PGPUB; USPAT	OR	OFF	2007/06/25 08:00
S38	1	("6,073,615").PN.	US-PGPUB; USPAT	OR	OFF	2007/06/25 08:00
S39	1	("6,040,557").PN.	US-PGPUB; USPAT	OR	OFF	2007/06/25 08:06

## EAST Search History

S40	0	(60/263918).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/06/25 08:06
S41	0	"60263918".ap.	US-PGPUB; USPAT	OR	ON	2007/06/25 08:07
S43	59	pivot\$ AND heater AND turbule\$ AND "219".clas.	US-PGPUB; USPAT	OR	ON	2007/06/25 16:05
S44	30	pivot\$ AND heater AND turbule\$ AND "392".clas.	US-PGPUB; USPAT	OR	ON	2007/06/25 16:06
S45	6652	pivoting AND heater	US-PGPUB; USPAT	OR	ON	2007/06/25 16:06
S46	467	(pivoting AND heater).ab,clm.	US-PGPUB; USPAT	OR	ON	2007/06/25 16:07
S47	177	(pivoting AND heater AND air).ab, clm.	US-PGPUB; USPAT	OR	ON	2007/06/25 16:08
S48	122	(pivot\$ AND heater AND air AND intake).ab,clm.	US-PGPUB; USPAT	OR	ON	2007/06/25 16:09
S49	8855	(rotat\$ AND heater).clm,ab.	US-PGPUB; USPAT	OR	ON	2007/06/28 09:04
S50	51	(rotat\$ AND heater AND serpentine).clm,ab.	US-PGPUB; USPAT	OR	ON	2007/06/28 09:06
S51	25	(pivot\$ AND heater AND serpentine).clm,ab.	US-PGPUB; USPAT	OR	ON	2007/06/28 09:07
S52	1659	(intake AND heater AND air).clm, ab.	US-PGPUB; USPAT	OR	ON	2007/06/28 09:28
S53	628	(intake AND heater AND air AND valve).clm,ab.	US-PGPUB; USPAT	OR	ON	2007/06/28 09:28
S54	1369	(intake AND heating AND valve AND air).clm,ab.	US-PGPUB; USPAT	OR	ON	2007/06/28 09:30
S55	5	(intake AND "heating valve" AND air).clm,ab.	US-PGPUB; USPAT	OR	ON	2007/06/28 09:37
S56	18980	(intake AND (heating valve) AND air).clm,ab.	US-PGPUB; USPAT	OR	ON	2007/06/28 09:37
S57	0	(intake AND "heated valve" AND air).clm,ab.	US-PGPUB; USPAT	OR	ON	2007/06/28 09:38
S58	0	(intake AND "heated valve").clm,ab.	US-PGPUB; USPAT	OR	ON	2007/06/28 09:38
S59	11	(intake AND "heating valve").clm, ab.	US-PGPUB; USPAT	OR	ON	2007/06/28 09:38
S60	1173	(intake AND heated AND valve). clm,ab.	US-PGPUB; USPAT	OR	ON	2007/06/28 09:39
S61	954	(air AND intake AND heated AND valve).clm,ab.	US-PGPUB; USPAT	OR	ON	2007/06/28 09:40
S62	18473	(heat).clm,ab. AND "219".clas.	US-PGPUB; USPAT	OR	ON	2007/06/28 09:41

## EAST Search History

S63	2179	(heated AND air).clm,ab. AND "219".clas.	US-PGPUB; USPAT	OR	ON	2007/06/28 09:42
S64	11792	(heated AND air parallel).clm,ab. AND "219".clas.	US-PGPUB; USPAT	OR	ON	2007/06/28 09:42
S65	459	(heated AND air AND parallel).clm,ab. AND "219".clas.	US-PGPUB; USPAT	OR	ON	2007/06/28 09:45
S66	882	(heating AND valve).clm,ab. AND "219".clas.	US-PGPUB; USPAT	OR	ON	2007/06/28 09:46
S67	480	(heating AND vent).clm,ab. AND "219".clas.	US-PGPUB; USPAT	OR	ON	2007/06/28 09:48
S68	56	(heating AND tilt).clm,ab. AND "219".clas.	US-PGPUB; USPAT	OR	ON	2007/06/28 09:50
S69	606	(heating AND tilt).clm,ab.	US-PGPUB; USPAT	OR	ON	2007/06/28 09:52
S70	27	(heating AND tilt AND gate).clm,ab.	US-PGPUB; USPAT	OR	ON	2007/06/28 09:53
S71	1659	(air AND intake AND heater).clm,ab.	US-PGPUB; USPAT	OR	ON	2007/06/28 09:53
S72	2079	(intake AND heater).clm,ab.	US-PGPUB; USPAT	OR	ON	2007/06/28 09:55
S73	8883	(air AND flow AND heater).clm,ab.	US-PGPUB; USPAT	OR	ON	2007/06/28 09:55
S74	2323	(air AND flow AND heater).clm,ab. NOT (method or process)	US-PGPUB; USPAT	OR	ON	2007/06/28 09:59
S75	1	("6029636").PN.	US-PGPUB; USPAT	OR	OFF	2007/06/28 10:00
S76	1	("4369736").PN.	US-PGPUB; USPAT	OR	OFF	2007/06/28 10:02
S77	1	("5988146").PN.	US-PGPUB; USPAT	OR	OFF	2007/06/28 10:04
S78	162372	hair dryer	US-PGPUB; USPAT	OR	ON	2007/06/28 10:04
S79	696	"hair dryer".ab,clm.	US-PGPUB; USPAT	OR	ON	2007/06/28 10:07
S80	1	("6428627").PN.	US-PGPUB; USPAT	OR	OFF	2007/06/28 10:09
S81	1	("5396574").PN.	US-PGPUB; USPAT	OR	OFF	2007/06/28 10:09
S82	1	("5263793").PN.	US-PGPUB; USPAT	OR	OFF	2007/06/28 10:15
S83	1	("20060082433").PN.	US-PGPUB; USPAT	OR	OFF	2007/06/28 10:16
S84	1	("6882797").PN.	US-PGPUB; USPAT	OR	OFF	2007/06/28 10:16

## EAST Search History

S85	380	"planar heater"	US-PGPUB; USPAT	OR	ON	2007/06/28 10:21
S86	1562	"turbulent air flow"	US-PGPUB; USPAT	OR	ON	2007/06/28 10:23
S87	250	"turbulent air flow" AND heater	US-PGPUB; USPAT	OR	ON	2007/06/28 10:28
S88	44	"heating valve".ab.	US-PGPUB; USPAT	OR	ON	2007/06/28 10:30
S89	3255	(electric AND heater).ab.	US-PGPUB; USPAT	OR	ON	2007/06/28 10:32
S90	1806	(electric AND heater).ab. AND air	US-PGPUB; USPAT	OR	ON	2007/06/28 10:44
S91	1	("4671245").PN.	US-PGPUB; USPAT	OR	OFF	2007/06/28 10:45
S92	1	("5209211").PN.	US-PGPUB; USPAT	OR	OFF	2007/06/28 10:46
S93	1	("5462080").PN.	US-PGPUB; USPAT	OR	OFF	2007/06/28 10:47
S94	1	("4667643").PN.	US-PGPUB; USPAT	OR	OFF	2007/06/28 10:47
S95	0	"heated AND throttle AND valve". ab,clm.	US-PGPUB; USPAT	OR	ON	2007/06/28 10:48
S96	0	"heating AND throttle AND valve". ab,clm.	US-PGPUB; USPAT	OR	ON	2007/06/28 10:48
S97	506	(heated AND throttle AND valve). ab,clm.	US-PGPUB; USPAT	OR	ON	2007/06/28 10:52
S98	0	(serpentine AND heater AND throttle AND valve).ab,clm.	US-PGPUB; USPAT	OR	ON	2007/06/28 10:53
S99	128	(serpentine AND heater AND throttle AND valve)	US-PGPUB; USPAT	OR	ON	2007/06/28 11:12
S100	1	("6003490").PN.	US-PGPUB; USPAT	OR	OFF	2007/06/28 11:14
S101	1	("5415202").PN.	US-PGPUB; USPAT	OR	OFF	2007/06/28 11:15
S102	1	("6360719").PN.	US-PGPUB; USPAT	OR	OFF	2007/06/28 11:17
S103	1	("6293306").PN.	US-PGPUB; USPAT	OR	OFF	2007/06/28 11:18
S104	20210	(throttle AND valve AND design)	US-PGPUB; USPAT	OR	ON	2007/06/28 11:20
S105	1	("4840146").PN.	US-PGPUB; USPAT	OR	OFF	2007/06/28 11:21
S106	1	("6003502").PN.	US-PGPUB; USPAT	OR	OFF	2007/06/28 11:22

## EAST Search History

S10 7	1	("5672818").PN.	US-PGPUB; USPAT	OR	OFF	2007/06/28 11:23
S10 8	0	("2004159818").PN.	US-PGPUB; USPAT	OR	OFF	2007/06/28 11:23
S10 9	0	"2004159818".an.	US-PGPUB; USPAT	OR	ON	2007/06/28 11:24
S11 0	0	"2004159818".ap.	US-PGPUB; USPAT	OR	ON	2007/06/28 11:24
S11 1	0	"2004159818".pn.	US-PGPUB; USPAT	OR	ON	2007/06/28 11:24
S11 2	0	"2004/159818".pn.	US-PGPUB; USPAT	OR	ON	2007/06/28 11:26
S11 3	1	"3814389".pn.	US-PGPUB; USPAT	OR	ON	2007/06/28 11:26
S11 4	1	"6263917".pn.	US-PGPUB; USPAT	OR	ON	2007/06/28 11:28
S11 5	14	"throttle valve".clm. AND serpentine	US-PGPUB; USPAT	OR	ON	2007/06/28 11:29
S11 6	1	("6184499").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/02 16:25
S11 7	1	("5793023").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/02 16:25
S11 8	0	(2004/0040957).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/07/02 16:26
S11 9	1	("20040040957").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/02 16:26
S12 0	10	("3300619").URPN.	USPAT	OR	ON	2007/07/09 08:47
S12 1	90	method AND "219/205".ccls.	USPAT	OR	ON	2007/07/09 08:47
S12 2	29	("2320528"   "2648757"   "3264450"   "3300619"   "3440398"   "3525853"   "3752348"   "3868559"   "3915137").PN. OR ("4188527").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/09 08:50
S12 3	10993	air AND intake AND method AND diesel	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/09 08:50
S12 4	577	(air AND intake AND method AND diesel).ab,clm.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/09 08:51

## EAST Search History

S12 5	36	("3423569"   "4089214"   "4186560"   "4207848"   "4367700"   "4399774"   "4458639"   "4466393"   "4506145"   "4516543"   "4545357"   "4625910"   "4635594"   "4658772"   "4669430"   "4681070"   "4723527"   "4934349"   "4944260").PN. OR ("5094198").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/09 09:09
S12 6	0	("2002/0096155").URPN.	USPAT	OR	ON	2007/07/09 12:54
S12 7	51	("0909898"   "1068322"   "1136845"   "1369551"   "1456018"   "1724481"   "1931379"   "1931837"   "2115634"   "2177840"   "2668900"   "3088447"   "3492457"   "3625190"   "3892215"   "3912903"   "4020812"   "4106454"   "4108125"   "4363958"   "4395994"   "4463721"   "4501255"   "4651702"   "4667645"   "4685437"   "4870249"   "4944260"   "5595164"   "5666804"   "5743242").PN. OR ("5992399").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/09 13:20
S12 8	7725	plastic AND manifold AND heater	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/09 13:20
S12 9	6482	plastic AND manifold AND heater AND air	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/09 13:20
S13 0	62	(plastic AND manifold AND heater AND air).ab,clm.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/09 13:23
S13 1	12	(plastic AND manifold AND heater AND engine).ab,clm.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/09 13:25
S13 2	783	123/3.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/09 13:25
S13 3	69	123/3.ccls. AND plastic	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/09 13:26
S13 4	199	123/548.ccls.	US-PGPUB; USPAT	OR	ON	2007/07/09 13:26
S13 5	9	"4512322"	US-PGPUB; USPAT	OR	ON	2007/07/11 09:20
S13 6	122	123/549 AND plastic	US-PGPUB; USPAT	OR	ON	2007/07/11 09:23

## EAST Search History

S13 7	61	123/549 AND plastic AND manifold	US-PGPUB; USPAT	OR	ON	2007/07/11 09:23
S13 8	0	(123/549 AND plastic AND manifold).ab,clm.	US-PGPUB; USPAT	OR	ON	2007/07/11 09:23
S13 9	4	123/549.ccls. AND (plastic AND manifold).ab,clm.	US-PGPUB; USPAT	OR	ON	2007/07/11 09:25
S14 0	0	123/550.ccls. AND (plastic AND manifold).ab,clm.	US-PGPUB; USPAT	OR	ON	2007/07/11 09:25
S14 1	0	123/169PB.ccls. AND (plastic AND manifold).ab,clm.	US-PGPUB; USPAT	OR	ON	2007/07/11 09:26
S14 2	0	123/142.5R.ccls. AND (plastic AND manifold).ab,clm.	US-PGPUB; USPAT	OR	ON	2007/07/11 09:26
S14 3	0	(123/142.5R).ccls. AND (plastic AND manifold).ab,clm.	US-PGPUB; USPAT	OR	ON	2007/07/11 09:26
S14 4	0	(123/142.5).ccls. AND (plastic AND manifold).ab,clm.	US-PGPUB; USPAT	OR	ON	2007/07/11 09:26
S14 5	0	(123/142.5E).ccls. AND (plastic AND manifold).ab,clm.	US-PGPUB; USPAT	OR	ON	2007/07/11 09:27
S14 6	25	(123/184.21).ccls. AND (plastic AND manifold).ab,clm.	US-PGPUB; USPAT	OR	ON	2007/07/11 09:30
S14 7	0	(123/142.5).ccls. AND (plastic AND manifold).ab,clm.	US-PGPUB; USPAT	OR	ON	2007/07/11 09:30
S14 8	740	(123/142.5R).ccls.	US-PGPUB; USPAT	OR	ON	2007/07/11 09:30
S14 9	51	("0909898"   "1068322"   "1136845"   "1369551"   "1456018"   "1724481"   "1931379"   "1931837"   "2115634"   "2177840"   "2668900"   "3088447"   "3492457"   "3625190"   "3892215"   "3912903"   "4020812"   "4106454"   "4108125"   "4363958"   "4395994"   "4463721"   "4501255"   "4651702"   "4667645"   "4685437"   "4870249"   "4944260"   "5595164"   "5666804"   "5743242").PN. OR ("5992399").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 08:07
S15 0	7743	heater AND manifolds AND plastic	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 08:07
S15 1	171	(heater AND manifold AND plastic).ab,clm.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 08:10
S15 2	586	(heater AND manifold).ab,clm. AND plastic	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 08:10

## EAST Search History

S15 3	49	(heater AND manifold AND engine).ab,clm. AND plastic	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 08:13
S15 4	12	(heater AND plastic AND manifold AND engine).ab,clm.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 08:21
S15 5	304	(plastic AND manifold AND intake).ab,clm.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 08:21
S15 6	201	(plastic AND manifold AND intake AND air).ab,clm.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 08:22
S15 7	23	(plastic AND manifold AND intake AND air).ab,clm. AND heater	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 08:23
S15 8	487	(manifold AND intake AND air).ab,clm. AND (material near5 plastic)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 08:24
S15 9	346	(manifold AND intake AND air AND engine).ab,clm. AND (material near5 plastic)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 08:27
S16 0	975	(intake AND air AND engine).ab,clm. AND (material near5 plastic)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 08:28
S16 1	95	(intake AND air AND engine).ab,clm. AND (material near5 plastic) AND low near4 temper\$	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 08:28
S16 2	95	(intake AND air AND engine).ab,clm. AND (material near5 plastic) AND (low near4 temper\$)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 08:31
S16 3	468	137/206.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 08:31
S16 4	0	137/206.ccls. AND plastic AND heater	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 08:32
S16 5	18	137/206.ccls. AND plastic	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 08:33
S16 6	6518	air AND heater AND plastic AND induct\$	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 08:34
S16 7	979	air AND heater AND plastic AND induct\$ AND engine	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 08:40

## EAST Search History

S16 8	4	"6062206"	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 08:45
S16 9	4	"6644272"	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 08:49
S17 0	851	((low near4 temperature) AND intake).ab,clm.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 08:52
S17 1	716	((low near2 temperature) AND intake).ab,clm.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 08:52
S17 2	514	((low adj temperature) AND intake).ab,clm.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 08:52
S17 3	110	((low adj temperature) AND (air adj intake)).ab,clm.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 08:58
S17 4	5	"4587941"	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 10:49
S17 5	84	heater AND (safety near2 mechanism) AND air AND intake	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 10:52
S17 6	1	("2061258").URPN.	USPAT	OR	ON	2007/07/12 10:51
S17 7	23	heater AND (safety near2 mechanism) AND air AND intake AND engine	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 10:53
S17 8	1184	heater AND (safety) AND air AND intake AND engine	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 10:53
S17 9	25	(heater AND safety).ab,clm. AND air AND intake AND engine	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 10:54
S18 0	5	(heater AND safety).ab,clm. AND (air AND intake AND engine).ab, clm.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 10:55
S18 1	12	(heater AND \$safe\$).ab,clm. AND (air AND intake AND engine).ab, clm.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 11:01
S18 2	18	(heater AND \$safe\$).ab,clm. AND (air AND intake).ab,clm. AND engine	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 11:03
S18 3	152	123/339.15	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 11:03

## EAST Search History

S18 4	5	("5080061").PN. OR ("5870994").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 11:21
S18 5	1088511	fail safe heater	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 11:21
S18 6	81	(fail AND safe AND heater).ab,clm.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 12:01
S18 7	10951	manifold AND deformation	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 12:01
S18 8	2633	manifold AND deformation AND engine	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 12:01
S18 9	1939	manifold AND deformation AND engine AND air	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 12:03
S19 0	61	(manifold AND deform\$ AND engine AND air AND intake).ab,clm.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 12:03
S19 1	59	("0489478"   "1767421"   "1884741"   "2064435"   "2394270"   "2604661"   "2640501"   "2962051"   "3047026"   "3109461"   "3363918"   "3548884"   "3636285"   "3734139"   "3796449"   "3825036"   "3858616"   "3871408"   "3874544"   "3890181"   "3891007"   "3902531"   "3915782"   "4157101"   "4157194"   "4290456"   "4292267"   "4303104"   "4343672"   "4407528"   "4415389"   "4534923"   "4560607"   "4706712"   "4724111"   "4743481"   "4746386"   "4752208"   "4758397"   "4876049"   "4931247"   "5122324"   "5148836"   "5176866"   "5429397"   "5445782").PN. OR ("6251332").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 12:38
S19 2	23	("2991500"   "3291670"   "3496600"   "3917789"   "4197071"   "4510013"   "4752208"   "5013515"   "5057266"   "5089208"   "5198174").PN. OR ("5445782").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 12:45
S19 3	22	"5094198"	US-PGPUB; USPAT	OR	ON	2007/07/23 15:17

## EAST Search History

S19 4	10	"5992399"	US-PGPUB; USPAT	OR	ON	2007/07/23 15:17
S19 5	1964	pivot\$ AND heater AND "219".clas.	US-PGPUB; USPAT	OR	ON	2007/07/25 07:21
S19 6	12	("1332000"   "2053668"   "5765592"   "5884899"   "6173939").PN. OR ("6293306"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/25 07:34
S19 7	11	("1937669"   "2178894"   "2557213"   "3802328").PN. OR ("5765592").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/25 07:36
S19 8	2	("2178894").URPN.	USPAT	OR	ON	2007/07/25 07:40
S19 9	2	("1937669").URPN.	USPAT	OR	ON	2007/07/25 07:41
S20 0	17	("20030213852"   "20030213853"   "20040007001"   "20040007627"   "3049985"   "3261373"   "3442489"   "4541328"   "4850319"   "4917350"   "5102097"   "5465756"   "5740785"   "5765592").PN. OR ("7089958").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/25 07:42
S20 1	2	("2178894").URPN.	USPAT	OR	ON	2007/07/25 07:57
S20 2	124	454/319.ccls.	USPAT	OR	ON	2007/07/25 07:58
S20 3	2	454/319.ccls. AND engine	USPAT	OR	ON	2007/07/25 07:59
S20 4	87	shutter AND engine AND intake AND air AND heater	USPAT	OR	ON	2007/07/25 07:59
S20 5	26	("1585091"   "3099423"   "3292864"   "3388878").PN. OR ("4203566").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/25 08:10
S20 6	31	("1136845"   "2561928"   "3625190"   "3892215"   "4025754"   "4308845"   "4448173"   "5028763"   "5125070"   "5206476"   "5224973"   "5409669"   "5649049"   "5651088"   "5664049"   "5666804"   "5780811"   "5887575"   "5988146"   "5992399").PN. OR ("6242712"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/25 08:31

## EAST Search History

S20 7	16	("20040129258"   "20050167411"   "4685437"   "5743242"   "5887575"   "5988146"   "5992399"   "6031204"   "6040557"   "6073615"   "6119665"   "6152117"   "6242712"   "6259060"   "6415774"   "6964269").PN. OR ("7084374").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/25 08:38
S20 8	234	219/206	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/25 08:38
S20 9	278	219/206.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/25 09:09
S21 0	10	"5992399"	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/25 08:58
S21 1	9	"6040557"	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/25 08:58
S21 2	2	219/206.ccls. AND capacitor	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/25 09:10
S21 3	24	219/206.ccls. AND capacit\$	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/25 09:10
S21 4	4	("4112896"   "4279234"   "6314949").PN. OR ("6415774").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/25 09:45
S21 5	1050	123/556.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/25 09:46
S21 6	447	123/556.ccls. AND intake	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/25 09:46
S21 7	447	123/556.ccls. AND intake AND intake	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/25 09:55
S21 8	438	123/556.ccls. AND intake AND air	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/25 09:55
S21 9	417	123/556.ccls. AND intake AND air AND engine	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/25 09:55
S22 0	11	("1937669"   "2178894"   "2557213"   "3802328").PN. OR ("5765592").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/25 10:52

## EAST Search History

S22 1	10	"6242712"	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/25 10:52
S22 2	22	"5094198"	US-PGPUB; USPAT	OR	ON	2007/07/25 16:28